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Notice of Allowability	Application No.	Applicant(s)	
	10/065,960	AVNIASH ET AL.	
	Examiner	Art Unit	
	Michael Rozanski	3768	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address--

All claims being allowable, PROSECUTION ON THE MERITS IS (OR REMAINS) CLOSED in this application. If not included herewith (or previously mailed), a Notice of Allowance (PTOL-85) or other appropriate communication will be mailed in due course. **THIS NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT RIGHTS.** This application is subject to withdrawal from issue at the initiative of the Office or upon petition by the applicant. See 37 CFR 1.313 and MPEP 1308.

- 1. ☒ This communication is responsive to Applicant arguments filed 10/22/07.
- 2. ☒ The allowed claim(s) is/are 1-6, 8-10, 14-16, 18, 20, 25, 26, 29-34, 37 and 39-43.
- 3. ☐ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
 - a) ☐ All b) ☐ Some* c) ☐ None of the:
 - 1. ☐ Certified copies of the priority documents have been received.
 - 2. ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3. ☐ Copies of the certified copies of the priority documents have been received in this national stage application from the International Bureau (PCT Rule 17.2(a)).

* Certified copies not received: _____.

Applicant has THREE MONTHS FROM THE "MAILING DATE" of this communication to file a reply complying with the requirements noted below. Failure to timely comply will result in ABANDONMENT of this application.
THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.

- 4. ☐ A SUBSTITUTE OATH OR DECLARATION must be submitted. Note the attached EXAMINER'S AMENDMENT or NOTICE OF INFORMAL PATENT APPLICATION (PTO-152) which gives reason(s) why the oath or declaration is deficient.
 - 5. ☐ CORRECTED DRAWINGS (as "replacement sheets") must be submitted.
 - (a) ☐ including changes required by the Notice of Draftsperson's Patent Drawing Review (PTO-948) attached
 - 1) ☐ hereto or 2) ☐ to Paper No./Mail Date _____.
 - (b) ☐ including changes required by the attached Examiner's Amendment / Comment or in the Office action of Paper No./Mail Date _____.
- Identifying indicia such as the application number (see 37 CFR 1.84(c)) should be written on the drawings in the front (not the back) of each sheet. Replacement sheet(s) should be labeled as such in the header according to 37 CFR 1.121(d).
- 6. ☐ DEPOSIT OF and/or INFORMATION about the deposit of BIOLOGICAL MATERIAL must be submitted. Note the attached Examiner's comment regarding REQUIREMENT FOR THE DEPOSIT OF BIOLOGICAL MATERIAL.

Attachment(s)

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|---|--|
| <ul style="list-style-type: none"> 1. <input type="checkbox"/> Notice of References Cited (PTO-892) 2. <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) 3. <input type="checkbox"/> Information Disclosure Statements (PTO/SB/08),
Paper No./Mail Date _____ 4. <input type="checkbox"/> Examiner's Comment Regarding Requirement for Deposit
of Biological Material | <ul style="list-style-type: none"> 5. <input type="checkbox"/> Notice of Informal Patent Application 6. <input type="checkbox"/> Interview Summary (PTO-413),
Paper No./Mail Date _____ 7. <input checked="" type="checkbox"/> Examiner's Amendment/Comment 8. <input type="checkbox"/> Examiner's Statement of Reasons for Allowance 9. <input type="checkbox"/> Other _____ |
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EXAMINER'S AMENDMENT

An examiner's amendment to the record appears below. Should the changes and/or additions be unacceptable to applicant, an amendment may be filed as provided by 37 CFR 1.312. To ensure consideration of such an amendment, it MUST be submitted no later than the payment of the issue fee.

Authorization for this examiner's amendment was given in a telephone interview with David Arnold on 1/9/08. Applicant agreed to amend the determining step, as set forth below, to clarify the relationship between the acquired information, the displacement, and the gating signal.

The application has been amended as follows:

1) In the Specification, paragraphs [0026] and [0027], replace "copending U.S. Patent Application No. _____ (129139, GEM-0072)" with --U.S. Patent Application No. 10/065,961--

2) Claim 1 has been amended as follows:

1. A method of gating for a medical imaging system, the method comprising:
selecting a non-electrical sensor, the non-electrical sensor being an acceleration sensor;
utilizing the non-electrical sensor to acquire information for gating;
determining [timing of] a gating signal relative to and prior to a predisposed
displacement of a body part of a patient [based upon] by determining a feature of
the acquired information; and

gating using the gating signal.

3) Claim 16 has been amended as follows:

***16. A method of gating for a medical imaging system, the method comprising:
selecting a non-electrical sensor, the non-electrical sensor being a force sensor;
utilizing the non-electrical sensor to acquire information for gating;
determining [timing of] a gating signal relative to and prior to a predisposed
displacement of a body part of a patient [based upon] by determining a feature of
the acquired information; and
gating using the gating signal.***

4) Claim 18 has been amended as follows:

***18. A method of gating for a medical imaging system, the method comprising:
selecting a non-electrical accelerometer;
arranging the accelerometer on a wrist of a patient;
utilizing the non-electrical accelerometer to acquire information for peripheral
pulse gating;
determining [timing of] a gating signal relative to and prior to a predisposed
displacement of a body part of a patient [based upon] by determining a feature of
the acquired information; and
gating using the gating signal.***

5) Claim 25 has been amended as follows:

25. A method of using a sensor for gating, the method comprising:

providing a non-electrical accelerometer;

providing a fluid filled transmission tube having a first end and a second end;

attaching the first end of the fluid filled transmission tube to a chest wall of a

patient adjacent a heart of the patient;

attaching a second end of the fluid filled transmission tube to the sensor;

utilizing the non-electrical accelerometer to acquire information for gating;

determining [timing of] a gating signal relative to and prior to a predisposed
displacement of a body part of a patient [based upon] by determining a feature of
the acquired information; and

gating using the gating signal.

6) Claim 37 has been amended as follows:

37. A method of using a sensor for gating, the method comprising:

providing a non-electrical accelerometer;

providing a fluid filled transmission tube having a first end and a second end;

attaching the first end of the fluid filled transmission tube to a wrist of a patient

adjacent a radial artery of the patient;

attaching a second end of the fluid filled transmission tube to the sensor;

utilizing the non-electrical accelerometer to acquire information for gating;

determining [timing of] a gating signal relative to and prior to a predisposed
displacement of a body part of a patient [based upon] by determining a feature of
the acquired information; and

gating using the gating signal.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Michael Rozanski whose telephone number is 571-272-1648. The examiner can normally be reached on Monday - Friday, 8-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Brian Casler can be reached on 571-272-4956. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.


MR


ERIC F. WINAKUR
PRIMARY EXAMINER